

## Notes for the Release

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The use of trade, product, or firm names in this report is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey (USGS).

The files that describe the public sale of Release 2 are the document files

- “Public\_Sale\_Release\_2\_notes.pdf” (the file you are reading now)
- “USGS Engravings Available for Sale.pdf”
- “Old USGS method for cleaning engravings.pdf”

and the spreadsheet file

- “*update-date\_List\_for\_Release\_2\_public\_sale.xls*”<sup>1</sup> that provides information about each set.

These files are available for download at

[ftp://ftptext.usgs.gov/pub/er/va/reston/Engravings/Release\\_2\\_Public\\_Sale/](ftp://ftptext.usgs.gov/pub/er/va/reston/Engravings/Release_2_Public_Sale/).

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<sup>1</sup> The term *update-date* is the date the file was released. The date, in the format YYMMDD, is used to distinguish among versions of the file. For example, 150215\_List\_for\_Release\_2\_public\_sale.xls was released on February 15, 2015.

The main site for information about the Releases of the sets of USGS engravings for donation or sale is <ftp://ftpext.usgs.gov/pub/er/va/reston/Engravings/>. The site includes a status update file that is updated weekly.

## **Document Public\_Sale\_Release\_2\_notes.pdf**

The document (the one you are reading now) describes the files that document the public sale from Release 2 of sets of engravings. The file is in the Portable Document Format (pdf), and is for use with software that can read that format.

## **Document USGS Engravings Available for Sale.pdf**

The document describes uses for the engravings, the content and condition of the engravings and plates, their organization into sets, the process by which the sets are sold, and sources of additional information about the engravings, maps reproduced with the engravings, and related USGS mapping activities. The file is in the Portable Document Format (pdf), and is for use with software that can read that format.

## **Document Old USGS method for cleaning engravings.pdf**

Provided in response to requests, the document provides information about the method USGS once used to prepare engravings for display. The file is in the Portable Document Format (pdf), and is for use with software that can read that format.

## **Spreadsheet update-date\_List\_for\_Release\_2\_public\_sale.xls**

The spreadsheet contains one row for each set in the public sale. Each row includes summary, descriptive, logistical, and geographic filter information for the set.

The file is in the Microsoft® “Excel® 97-2003 Workbook”<sup>2</sup> format. The file is for use with spreadsheet software that can display and manipulate data in that format.

## **Summary Information**

(Row 1 in the columns is colored white.)

- Column A – ITEM\_NAME – A summary description that identifies the set number, state or country, name, and map scale for a set. The information in ITEM\_NAME is from columns C, G, D, and E, in that order.
- Column B – DESCRIPTION – A detailed description of the set extracted from information in columns C, D, G, E, F, L, H, I, M, P, O, and N, in that order.

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<sup>2</sup> Microsoft and Excel are registered trademarks of Microsoft Corporation in the United States and/or other countries.

## Descriptive Information

(Row 1 in the columns is colored green.)

- Column C – SET\_NO – The identifier by which USGS knows the set.
- Column D – NAME – Map name or description.
- Column E – SCALE – Map scale denominator.
- Column F – MAP\_TYPE – Identifies the set as having engravings used to reproduce topographic, geologic, or both types of maps:
  - M – Topographic or thematic map content. Typically includes engravings for boundaries, text, and cultural features printed in black, contours printed in brown, and hydrography printed in blue.
  - G – Geologic map content. These engravings most often include contact boundaries and map unit labels. Additional engravings can have structure contours, contours for artesian water, areas of oil and gas or coal beds, or other content.
  - M G – Both topographic and geologic map content.
- Column G – STATE\_CNTRY – Identification of the jurisdiction(s) mapped in the set. The entry usually consists of the two-character abbreviations for the States, the District of Columbia, and Puerto Rico. There are no sets that contain content for foreign countries in the release for the public sale.
- Column H – S\_LAT – South-most latitude<sup>3</sup>. Formatted as two-character degrees and two-character minutes. The seconds are truncated. Northern hemisphere.
- Column I – E\_LNG – East-most longitude. Formatted as two- or three-character degrees and two-character minutes. The seconds are truncated. Western hemisphere.
- Column J – N\_LAT – North-most latitude. Formatted as two-character degrees and two-character minutes. The seconds are truncated. Northern hemisphere. Blank if the set is a standard USGS quadrangle footprint size for the era the sets were in use<sup>4</sup>, for a state or national set, or if the value is not known.
- Column K – W\_LNG – West-most longitude. Formatted as two- or three-character degrees and two-character minutes. The seconds are truncated. Western hemisphere. Blank if the set is a standard USGS quadrangle footprint size for the era the sets were in use, for a state or national set, or if the value is not known.
- Column L – SURVEY\_DATE – Date(s) that the information on the engravings was(were) surveyed if known. The reliability of this information was not checked.

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<sup>3</sup> See the weekly Frequently Asked Questions (FAQ) file available at <ftp://ftpext.usgs.gov/pub/er/va/reston/Engravings/> for information about the reliability of the coordinates.

<sup>4</sup> The standard USGS quadrangle footprints for the era when the sets were in use are:

- Scale of 1:24,000 (Los Angeles County, California, only): 6 minutes
- Scales of 1:24,000 (excluding Los Angeles County, California), 1:30,000 (Puerto Rico only) and 1:31,680: 7.5 minutes
- Scales of 1:48,000 and 1:62,500: 15 minutes
- Scale of 1:125,000: 30 minutes
- Scale of 1:250,000: 60 minutes (1 degree)

- Column M – COMMENTS – Notes about any unusual characteristics of the set noticed during a cursory inspection and/or the USGS publication in which the map reproduced with the set was published.
  - Notes about unusual characteristics:
    - “aka” means “also known as”.
    - BK (black), BL (blue), and BR (brown) describe engravings used to print the color identified in the comment. For example “1 BL missing” means that one engraving used to print the blue color is missing.
    - “Direction/fraction” describes the condition for a portion of the area mapped by the set. For example, “S/2 blank” means that the south half of the set does not have map information engraved.
  - Notes about the USGS publication in which the map was published: Some sets were used to publish a map that is part of another publication instead of as an independent title.

To view a map that is part of another publication, go to the USGS Publications Warehouse (<http://pubs.usgs.gov>) and search for the publication using the publication type and bulletin number (for example, “Bulletin 782”). Click on the title of the publication in the search results. Click on the link for text of the report, or the numbers that follow the “Plates in this publication” line, to view and download the map.

Maps published as independent map titles often can be viewed and downloaded through the following sites:

- Historical topographic maps: Historical Topographic Map Collection at <http://nationalmap.gov/historical/index.html>.
- Geologic and topographic maps: The National Geologic Map Database at [http://ngmdb.usgs.gov/ngmdb/ngmdb\\_home.html](http://ngmdb.usgs.gov/ngmdb/ngmdb_home.html).

## Logistical Information

(Row 1 in the columns is colored blue.)

- Column N – WT\_EST\_LBS – Estimate of the weight in pounds of the set. The weight was computed from the number and size of plates in the set. This information may be helpful to those planning the logistics for shipping sets that they receive. It is not the measured weight of the set.
- Column O – PL\_SIZES\_IN – Size(s) in inches of the plate(s) in the set. Sometimes the dimensions are rounded (for example, a 16.5x21-inch plate is recorded as a 17x21-inch plate). There is(are) one or more plate(s) of each size in the set. The thickness of the plates is not recorded.
- Column P – NO\_PLS – Number of plates in the set.


## Geographic Filter Information

(Row 1 in the columns is colored orange.)

- Columns Q through BP – AL, AK, AZ, AR, ..., WY – Geographic filter fields. These columns provide a way to quickly find all the sets for a jurisdiction, such as a State. The information in the columns is from column H.

By using the Filter function in spreadsheet software, a user can display only the rows for the sets for a State, the District of Columbia, or Puerto Rico.

For example, to see only the records for sets that include areas in the State of Alaska,

1. Go to column S (labelled “AK”) that has information about Alaska.
2. Click the filter control (the down-pointing arrow ()) in Row 1).
3. Turn off the check box for “(Blanks)”, leaving only the AK selection checked.
4. Click on the box labelled “OK”.<sup>5</sup>

The spreadsheet software then only shows the rows for sets that include Alaska.

If only the selections “Select All” and “(Blanks)” are offered after clicking on the filter control, then there are no sets for the jurisdiction in this Release.

## Map Files

The map files show the geographic areas mapped by the sets. These map files include the geographic footprint for most of the sets<sup>6</sup> and some of the information about the set from the spreadsheet. The maps in the appendix were made using this data.

The files are in the zipped Keyhole Markup Language (kmz) format. The files are for use with geographic information system or mapping software that can display and manipulate data in this format.

The files are most useful to those who cannot determine from the spreadsheet if sets are available for a geographic area in which they are interested. The files do not replace the spreadsheet that lists the sets in the Release. If there are differences between the information in the spreadsheet and in the map files, the information in the spreadsheet is correct.

The shapes in the map files most often are the minimum bounding geographic rectangle based on the north- and south-most latitude and east-and west-most longitude coordinates identified on the engravings. The engravings might not have map content for the entire area within the shape, and sometimes they have map content outside of the shape. Sometimes the shapes are undersized because the number of seconds in the map boundary coordinates was truncated or for other reasons.

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<sup>5</sup> To turn the filter off, go to column S (labelled “AK”), click the filter control (which now shows a funnel symbol), turn on the check box for “(Blanks)”, and click on the box labelled “OK”.

<sup>6</sup> For footprints for which there are two sets available, the files have information for only one of the sets.

After a map file is loaded into geographic information system or mapping software, the software usually will display the shapes and let you click on the shapes (see Figure 1) to display the following information for a set:

- FID. The feature identifier used by the mapping software.
- ITEM\_NAME. The summary description of the set.
- SET\_NO. The set number.

Use the ITEM\_NAME or SET\_NO to find the row in the spreadsheet that provides more information about the set.

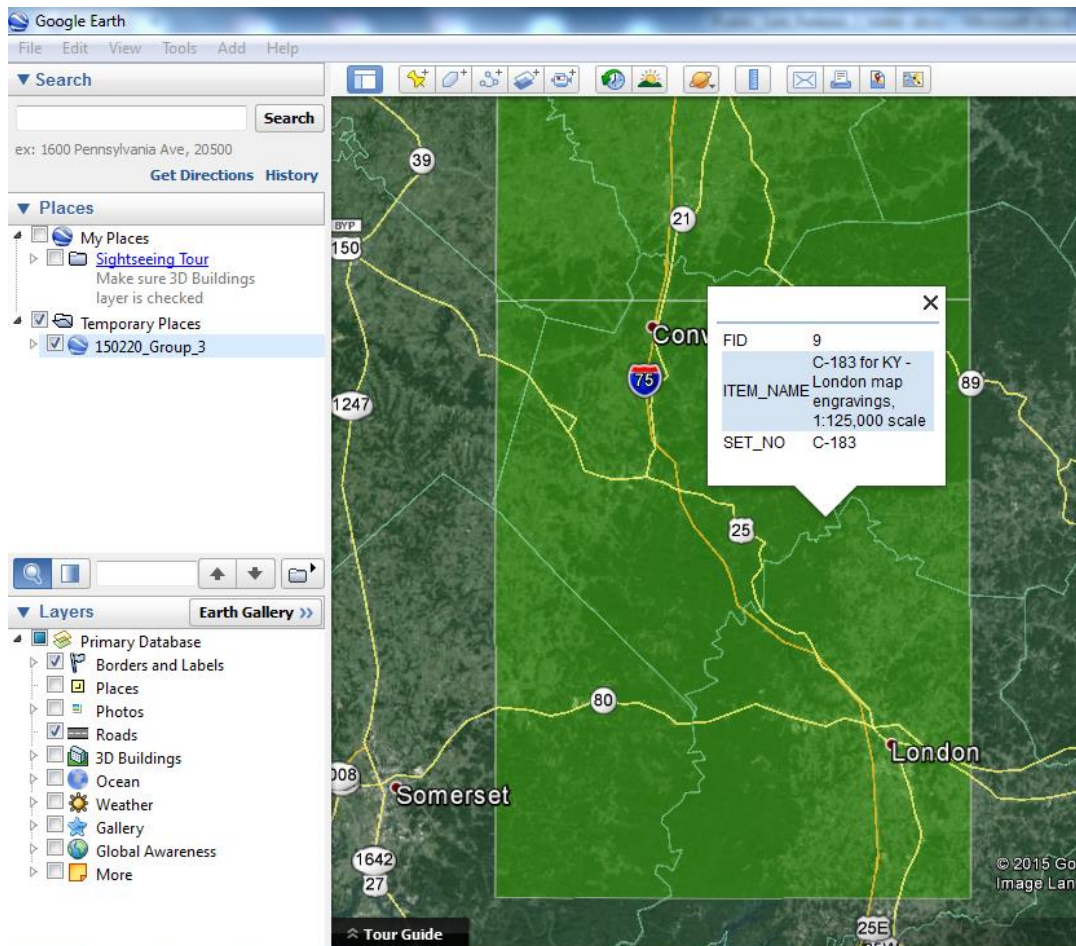


Figure 1. Portion of a display of the information about the set for London, Kentucky, from the map file "150220\_Group\_3.kmz". The item name and set number are displayed by clicking on the shape. The file was displayed using the Google Earth™ mapping system<sup>7</sup> software.

There are five map files:

- *update-date\_Group\_1.kmz*<sup>8</sup> – Sets with map scales ranging from 1:6,000 to 1:36,000.

<sup>7</sup> Google, the Google logo, and Google Earth mapping system are registered trademarks of Google Inc. All are used with permission.

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- *update-date\_Group\_2.kmz* – Sets with map scales ranging from 1:48,000 to 1:63,360.
- *update-date\_Group\_3.kmz* – Sets with map scales ranging from 1:90,000 to 1:125,000, not including state base sets.
- *update-date\_Group\_4.kmz* – Sets with map scales ranging from 1:200,000 to 1:400,000, not including state base and state geologic sets.
- *update-date\_Group\_5.kmz* – Sets with map scales of 1:500,000 and smaller, and state base and state geologic sets regardless of map scale.

Five files are provided because the shapes of the sets can overlap. When the shapes overlap, they obscure each other, and some software will only show information for the “top” shape when you click on overlapping shapes. By using multiple files that can be turned on-and-off in a display, users can turn off the “top” shapes to see shapes that otherwise would be obscured and to access information for shapes that are under the “top” shapes.

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<sup>8</sup> The term *update-date* is the date that the version of the map file was last changed in YYMMDD format. For example, the file named “150220\_Group\_5.kmz” is the version changed on February 20, 2015.










## Appendix: Coverage Diagrams of Areas Mapped by Sets in the Public Sale for Release 2

The coverage diagrams below show areas mapped by sets in the public sale for Release 2.

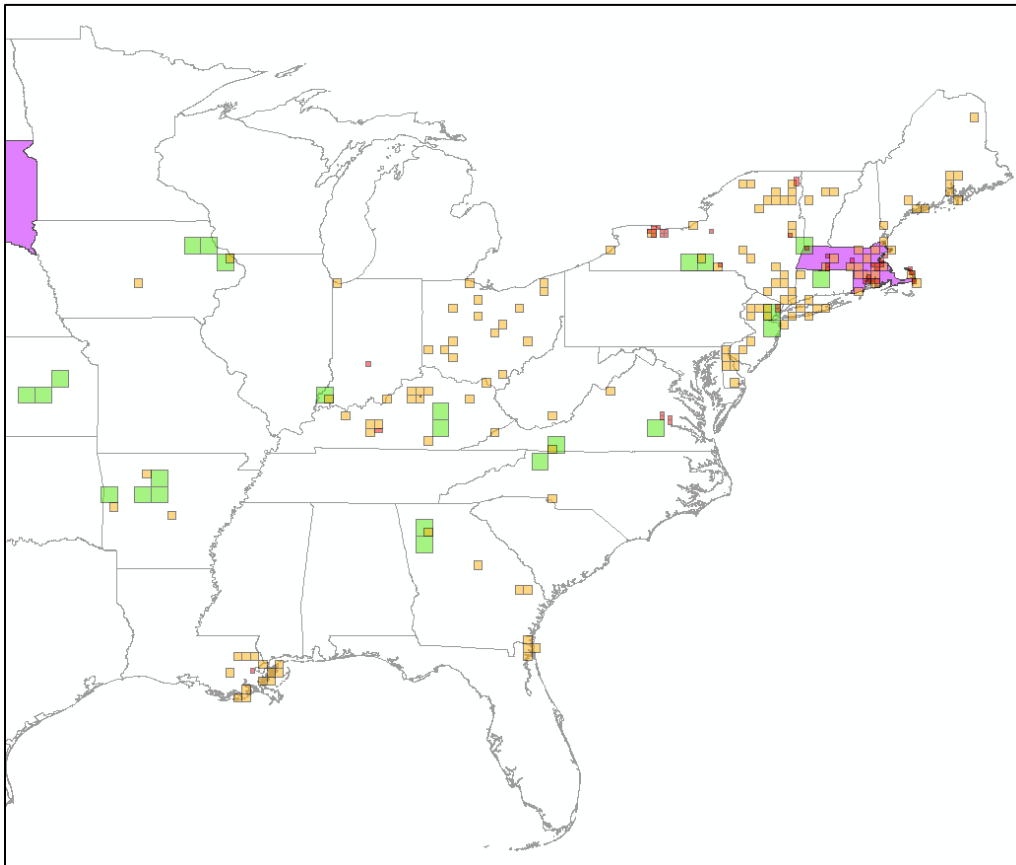
The diagrams provide a sense of geographic areas for which sets are available. Use the map files with geographic information system or mapping software to create more detailed maps.

The following colors are used on the maps:

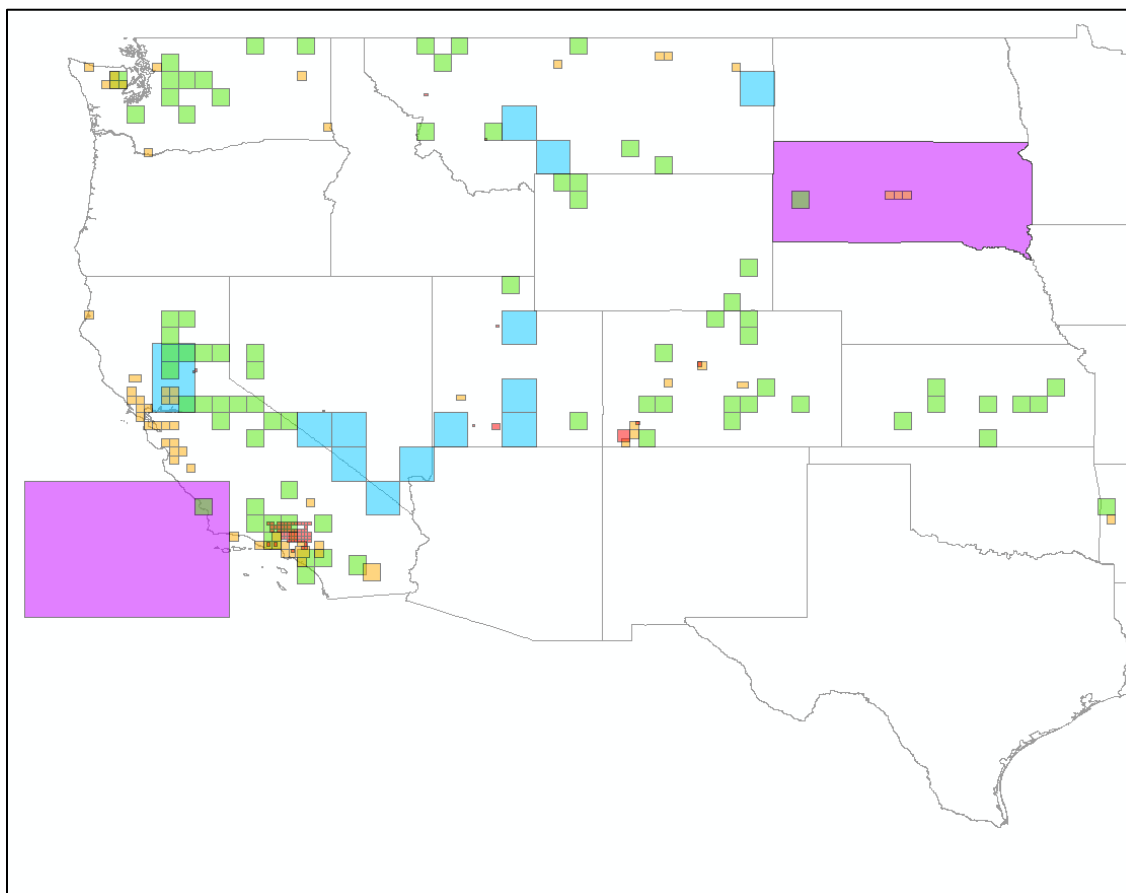
-  (red) - Map scales of 1:36,000 and larger.
-  (orange) - Map scales of 1:48,000 through 1:63,360.
-  (green) - Map scale of 1:90,000 to 1:125,000.
-  (blue) - Map scale of 1:200,000 to 1:400,000, not including state base and geologic sets.
-  (purple) - Map scale of 1:500,000 and smaller, and state base and geologic sets regardless of scale.

Other colors on the maps result from the overlap of the five colors shown above. For example, the overlap of the purple and blue colors results in a dark blue color.

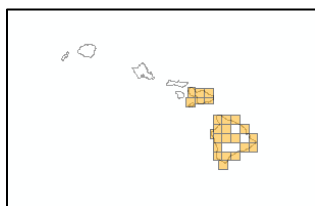
### Eastern Conterminous United States



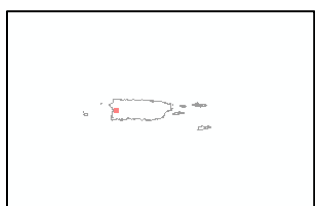
## Western Conterminous United States



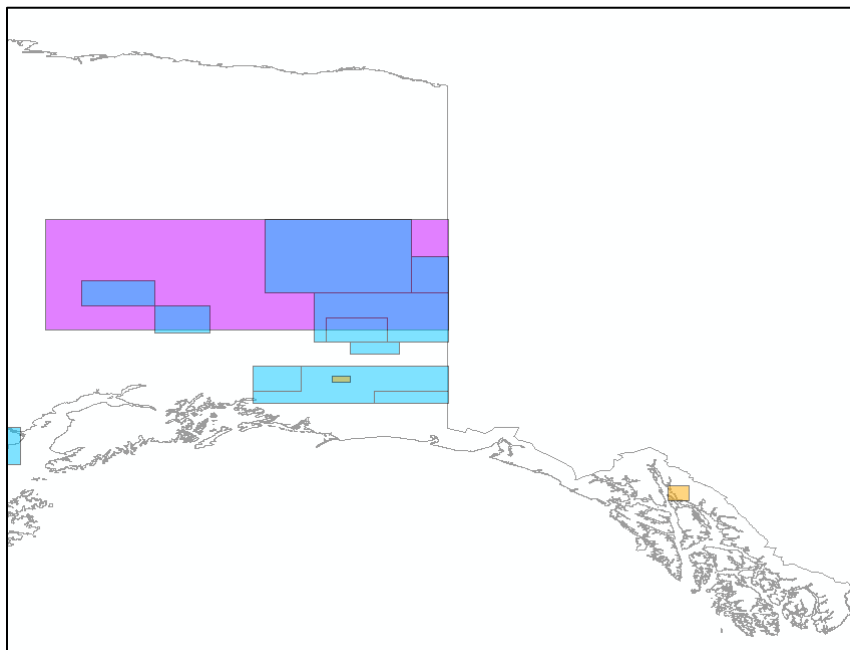
## Hawaii



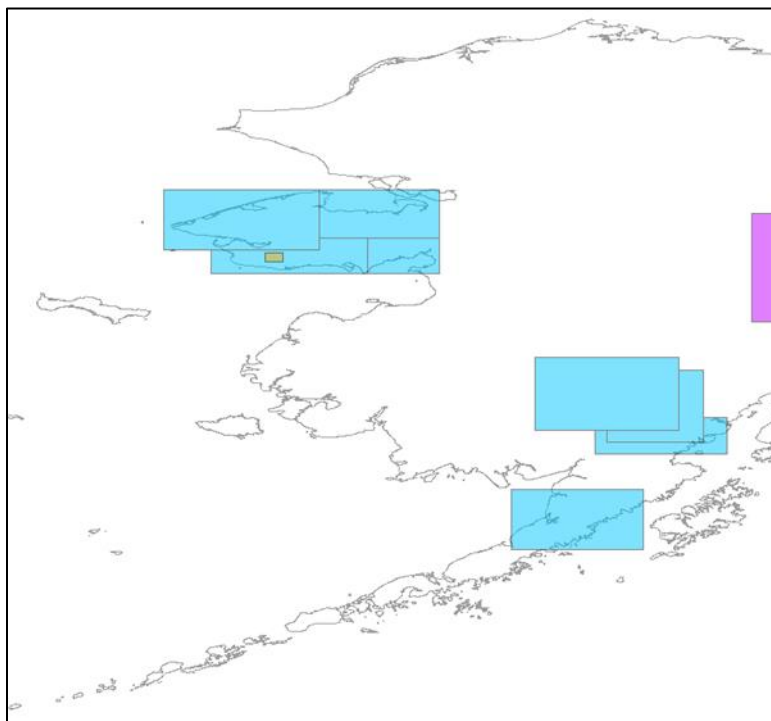
## Puerto Rico



## Eastern Alaska



## Western Alaska



## Why Are No Sets Available for Some States?

The maps show that no sets are available for areas in Alabama, Arizona, the District of Columbia, Idaho, Illinois, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Mexico, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, and Wisconsin.

The process for making excess Federal property available begins with an offer to donate the property to Federal organizations, State and local government agencies, public agencies, and eligible nonprofit organizations for reuse. Such entities requested the donation of all the sets in this Release for these jurisdictions, and so no sets are available for the public sale.